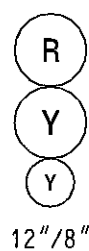


PROPOSED SIGNALS

1-6



12" x 8"

PROPOSED SIGNS

7, 8

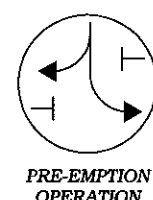
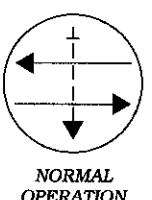


W11-8b
36" x 72"



W11-8
36" x 36"

PROPOSED PHASING



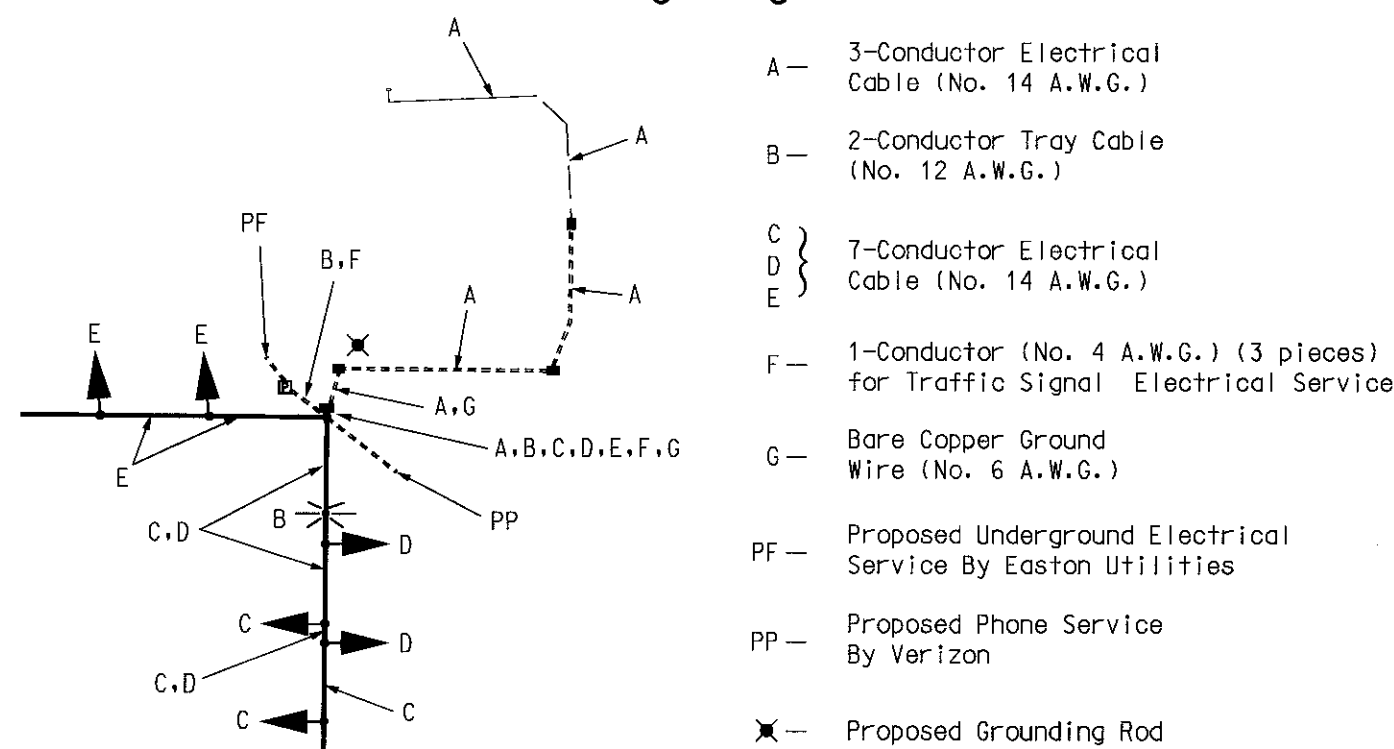
NOTES

- Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings are to be considered as existing.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

Phase Chart

	1	2	3	4	5	6
Normal Operation	8" FL/Y	8" FL/Y	8" FL/Y	8" FL/Y	FL/R	FL/R
Change Pre-emption Operation	8" FL/Y	8" FL/Y	8" FL/Y	8" FL/Y	R	R
Pre-emption Operation	R	R	R	R	8" FL/Y	8" FL/Y

Wiring Diagram



PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a new fire house traffic control signal at the intersection of MD 328 and Easton VFD Entrance in Talbot County, Maryland. MD 328 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection is to operate in a fire house pushbutton actuated mode. The pushbutton shall be located inside the main bay area of the Station.

III. SPECIAL NOTE:

The Contractor shall notify Mr. Robert Snyder of SHA at 410-787-7635 to arrange for the phone drop installation.

The Contractor is to provide Mr. Snyder with the nearest street number, zip code, and telephone number.

EQUIPMENT LIST

B. Equipment to be furnished and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
1	EA	818	27 ft. steel twin mast arm pole with 50 ft. and 60 ft. mast arms
1	EA	816	Standard S.H.A. traffic signal controller, and pole mounted cabinet. (Note: Controller and cabinet shall be purchased from Econolite and delivered to the S.H.A. signal shop for wiring and testing. Contact Mr. Ed Rodenhizer (410) 787-7650).
6	EA	814	12 in. x 8 in., one-way, three section (12 in. R, Y / 8 in. Y) adjustable black faced traffic signal head with mast arm mounting hardware and tunnelvisors.
2	EA	813	36 in. x 72 in. W11-8b sign with mast arm mounting hardware.
2	EA	813	36 in. x 36 in. W11-8 sign for ground mounting.
1	EA	---	Fire house pushbutton assembly.
1	EA	806	15 ft. luminaire arm.
1	EA	806	250 W H.P.S. lamp and luminaire.
1	CY	205	Test pit excavation.
3	EA	811	Handhole.
20	LF	810	1-conductor electrical cable (No. 4 A.W.G.) (3 pieces).
60	LF	810	2-conductor electrical tray cable (No. 12 A.W.G.).
300	LF	810	3-conductor electrical cable (No. 14 A.W.G.).
275	LF	810	7-conductor electrical cable (No. 14 A.W.G.).
25	LF	804	Bare copper stranded ground wire (No. 6 A.W.G.).
30	LF	805	2 in. polyvinyl chloride (Schedule 80) electrical conduit - trench.
130	LF	805	3 in. polyvinyl chloride (Schedule 80) electrical conduit - trench.
50	LF	805	1 in. conduit (galvanized steel) installed in drop ceiling.
40	LF	805	1 in. riser (galvanized steel)
5	CY	801	Concrete foundation for traffic signal equipment.
1	EA	804	Ground rod - 3/4 in. diameter x 10 ft. length.
1	EA	807	Electrical utility service equipment (120/240 V, one phase, three wire system) for a MD-SHA Typ. 807-05-02 underground electrical service.
50	LF	549	24 in. wide HAPPTPM - white for stop line.
36	LF	812	4 in. x 4 in. wood sign support.
Lump Sum	LS	---	As-built for S.H.A. (on CAD).

MD 328 (Matthewstown Road)

MD 328 (Matthewstown Road)

CONSTRUCTION DETAILS

- Install 27 ft. steel twin mast arm pole with a 50 ft. and a 60 ft. mast arm, pole mounted cabinet/controller, and 15 ft. luminaire arm, and 250 watt HPS luminaire service (Note: two 2 in. & one 3 in. PVC conduit bends).
- Install handhole.
- Install handhole on existing conduit run.
- Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - trench.
- Install 3 in. polyvinyl chloride (Schedule 80) electrical conduit - trench.
- Install electrical service pedestal per MD SHA 807-05-02.
- Use existing conduit.
- Tie new riser to existing conduit.
- Install condulets and risers in existing drop ceiling.
- Install pushbutton on black wall.
- Install ground mounted sign as shown.
- Install 24 in. wide pavement marking - white for stop line.
- Proposed underground electrical service by Easton Utilities.

CONTACT LIST

The contact persons for District #2 are as follows:

Mr. Robert Kiel
Assistant District Engineer - Traffic
410-778-3061

Mr. Barry Clothier
Assistant District Engineer - Utility
410-778-3061

Mr. Terry O. Wright
Assistant District Engineer - Maintenance
410-778-3061

Mr. Richard L. Daff
Chief, Traffic Operations Division
410-787-7630

The Power Company Representative is:
Easton Utilities
Talbot Bone
410-822-6110 Ext. 1244
201 N. Washington Street
Easton, Maryland 21601

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES



The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

APPROVALS

Michael B. R... 5-26-05
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

Michael B. R... 5-26-05
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

J. D. R... 5/26/05
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 328 (Matthewstown Road) at Easton VFD

DRAWN BY: J. Dirndorfer
CHECKED BY: -
SCALE: 1" = 20'
DATE: May 26, 2005

F.A.P. NO. N/A
S.H.A. NO. BW996M82
COUNTY: Talbot
LOG MILE: 20032800.52

TS NO. 4429
T.I.M.S. NO. G-937

SHEET NO. 1 OF 1

1:2005-2005-0504-Den Vignette.dgn 05/26/2005